

```
1 <?php
2 /**
3  * @author GOLAY Brian
4  * @version 1.0 (2021/05/20)
5  * PDF Generation page here
6  */
7
8 // Include the main TCPDF library (search for installation path).
9 require_once('./controllers/tcpdf_include.php');
10
11 require_once './sql/userDAO.php';
12 require_once './sql/flightDAO.php';
13
14 use FlightClub\sql\FlightDAO;
15 use FlightClub\sql\UserDAO;
16
17
18 //we check if the user is already logged-in
19 if (!isset($_SESSION['userID'])) {
20     header("Location: ./index.php?page=homepage");
21     exit();
22 }
23
24 $pilot = userDAO::getUserByID($_SESSION['userID']);
25 $flight = FlightDAO::getAllUserFlightByUserIdForExport($_SESSION['userID']);
26
27
28 /**
29  * Function that take the time of each flight and put it in a total time
30  *
31  * @param array[mixed] $flight
32  * @return void
33  */
34 function computeTotal($flight)
35 {
36     $totalMinutes = 0;
37     $totalHour = 0;
38     foreach ($flight as $key => $value) {
39
40         $totalMinutes +=
41         computeTotalTime($value['Dttm_Departure'], $value['Dttm_Arrival']);
42     }
43
44     $totalHour = floor($totalMinutes/60);
45
46     $totalMinutes = ($totalMinutes - (60* $totalHour));
47
48     return $totalHour . ":" . $totalMinutes;
49 }
50
51 /**
52  * Function that compute a flight time on with date and hour. Found logic on
53  * stackoverflow and adapted it a bit:
54  * https://stackoverflow.com/questions/5463549/subtract-time-in-php
55  *
56  * @param string $Dt_Departure
57  * @param string $Dt_Arrival
58  * @return void
59  */
```

```
58 function computeTotalTime($Dt_Departure, $Dt_Arrival)
59 {
60     $start = strtotime($Dt_Departure);
61     $end = strtotime($Dt_Arrival);
62
63     //If you want it in minutes, you can divide the difference by 60 instead
64     $mins = (int)(( $end - $start) / 60);
65     return $mins;
66 }
67
68
69
70
71 // extend TCPF with custom functions
72 class MYPDF extends TCPDF
73 {
74
75     // Colored table
76     public function ColoredTable($header, $data)
77     {
78         // Colors, line width and bold font
79         $this->SetFillColor(59, 153, 224);
80         $this->SetTextColor(255);
81         $this->SetDrawColor(59, 133, 224);
82         $this->SetLineWidth(0.3);
83         $this->SetFont('', 'B');
84         // Header
85         $w = array(20, 20, 35, 35, 25, 25, 45, 25, 20, 20, 30, 30, 20);
86         $num_headers = count($header);
87         for ($i = 0; $i < $num_headers; ++$i) {
88             $this->Cell($w[$i], 7, $header[$i], 1, 0, 'C', 1);
89         }
90         $this->Ln();
91         // Color and font restoration
92         $this->SetFillColor(224, 235, 255);
93         $this->SetTextColor(0);
94         $this->SetFont('');
95         // Data
96         $fill = 0;
97         foreach ($data as $row) {
98             $this->Cell($w[0], 6, $row[0], 'LR', 0, 'C', $fill);
99             $this->Cell($w[1], 6, $row[1], 'LR', 0, 'C', $fill);
100             $this->Cell($w[2], 6, $row[2], 'LR', 0, 'C', $fill);
101             $this->Cell($w[3], 6, $row[3], 'LR', 0, 'C', $fill);
102             $this->Cell($w[4], 6, $row[4], 'LR', 0, 'C', $fill);
103             $this->Cell($w[5], 6, $row[5], 'LR', 0, 'C', $fill);
104             $this->Cell($w[6], 6, $row[6], 'LR', 0, 'C', $fill);
105             $this->Cell($w[7], 6, $row[7], 'LR', 0, 'C', $fill);
106             $this->Cell($w[8], 6, $row[8], 'LR', 0, 'C', $fill);
107             $this->Cell($w[9], 6, $row[9], 'LR', 0, 'C', $fill);
108             $this->Cell($w[10], 6, $row[10], 'LR', 0, 'C', $fill);
109             $this->Cell($w[11], 6, $row[11], 'LR', 0, 'C', $fill);
110             $this->Cell($w[12], 6, $row[12], 'LR', 0, 'C', $fill);
111             $this->Ln();
112             $fill = !$fill;
113         }
114         $this->Cell(array_sum($w), 0, '', 'T');
115     }
116
117     // Page footer
```

```
118     public function Footer() {
119         // Position at 15 mm from bottom
120         $this->SetY(-15);
121         // Set font
122         $this->SetFont('helvetica', 'I', 8);
123         // Page number
124         $this->Cell(0, 10, 'Page '.$this->getAliasNumPage().'/'.$this->
>getAliasNbPages(), 0, false, 'C', 0, '', 0, false, 'T', 'M');
125         $this->Cell(0, 10, date("d-m-Y H:i:s"), 0, false, 'R', 0, '', 0, false, 'T',
'M');
126     }
127 }
128
129 // create new PDF document
130 $pdf = new MYPDF(PDF_PAGE_ORIENTATION, PDF_UNIT, PDF_PAGE_FORMAT, true, 'UTF-8',
false);
131
132 // set document information
133 $pdf->SetCreator(PDF_CREATOR);
134 $pdf->SetAuthor('Brian GOLAY');
135 $pdf->SetTitle('Flight Club');
136 $pdf->SetSubject('Flight Club logbook');
137 $pdf->SetKeywords('Logbook, PDF, carnet de vol, vol, aviation');
138
139 // set default header data
140 $pdf->SetHeaderData("", 0, 'Carnet de vol de ' . $pilot['Txt_Email'] . " | Total des
heures: " . computeTotal($flight), PDF_HEADER_STRING);
141
142 // set header and footer fonts
143 $pdf->setHeaderFont(array(PDF_FONT_NAME_MAIN, '', PDF_FONT_SIZE_MAIN));
144 $pdf->setFooterFont(array(PDF_FONT_NAME_DATA, '', PDF_FONT_SIZE_DATA));
145
146 // set default monospaced font
147 $pdf->SetDefaultMonospacedFont(PDF_FONT_MONOSPACED);
148
149 // set margins
150 $pdf->SetMargins(PDF_MARGIN_LEFT, PDF_MARGIN_TOP, PDF_MARGIN_RIGHT);
151 $pdf->SetHeaderMargin(PDF_MARGIN_HEADER);
152 $pdf->SetFooterMargin(PDF_MARGIN_FOOTER);
153
154 // set auto page breaks
155 $pdf->SetAutoPageBreak(TRUE, PDF_MARGIN_BOTTOM);
156
157 // set image scale factor
158 $pdf->setImageScale(PDF_IMAGE_SCALE_RATIO);
159
160 // set some language-dependent strings (optional)
161 if (@file_exists(dirname(__FILE__) . '/lang/eng.php')) {
162     require_once(dirname(__FILE__) . '/lang/eng.php');
163     $pdf->setLanguageArray($l);
164 }
165
166 // -----
167
168 // set font
169 $pdf->SetFont('helvetica', '', 8);
170
171 // add a page
172 $pdf->AddPage();
173
```

```
174 // column titles
175 $header = array('Role', 'Type de vol', 'Départ', 'Arrivée', 'Allumage moteur',
    'Moteur coupé', 'Type d\'aéronef', 'Immatriculation', 'Départ', 'Arrivée', 'Catégorie
    de vol', 'Mode de vol', 'Passager');
176
177 // data loading
178 $data = $flight;
179
180 // print colored table
181 $pdf->ColoredTable($header, $data);
182
183 // -----
184
185 // close and output PDF document
186 $pdf->Output('FlightClub.pdf', 'I');
187
188 //=====+
189 // END OF FILE
190 //=====+
```